

SET ABB=ON PLU=ON  
FILE 'HCAPLUS' ENTERED AT 12:55:33 ON 02 DEC 2004  
L1 1 S WO 200034539/PN  
L2 SEL PLU=ON L1 1- IC RN : 10 TERMS  
L3 511567 S L2  
L4 1 S L1 AND L3

FILE 'INSPEC' ENTERED AT 13:12:40 ON 02 DEC 2004  
L5 1001 S (CU BIN(S)CU2O BIN)/CHI  
L6 41156 S CU EL/CHI  
L7 316 S L5 AND L6  
L8 427333 S COMPOSITE OR ALLOY  
L9 31 S L7 AND L8  
L10 0 S CU\*CU2O/ET  
L11 67 S CU-CU2O/ET  
L12 15 S L11 AND L8

INDEX 'HCAPLUS, INSPEC, COMPENDEX, SCISEARCH, PASCAL, ELCOM, ENERGY,  
AEROSPACE, DISSABS, METADEX, ANTE, NTIS, CEABA-VTB, CONFSCI, EMA, ENTEC,  
FEDRIP, RDISCLOSURE, SIGLE, SOLIDSTATE' ENTERED AT 13:16:31 ON 02 DEC 2004

L13 QUE L12  
L14 QUE CU-CU2O AND L8  
L15 QUE VICKER# OR HARDNESS OR HV OR VH  
L16 QUE CU-CU2O OR CU2O-CU  
L17 QUE L15 AND L16

FILE 'HCAPLUS, ENERGY, AEROSPACE, INSPEC' ENTERED AT 13:20:50 ON 02 DEC 2004  
L18 12 S L17

FILE 'HCAPLUS, CEABA-VTB' ENTERED AT 13:23:20 ON 02 DEC 2004  
L19 1137053 S CU OR COPPER OR 7440-50-8  
L20 144521 S (CU OR CU2 OR COPPER OR CUPROUS) (2A) (OXIDE#  
OR O2) OR CU2O OR 1317-39-1  
L21 20245 S 7440-50-8 AND L20  
L22 2610 S L21 AND (L15 OR L8)  
L23 62 S L21 AND L15 AND L8  
L24 132566 S (CU OR CU2 OR COPPER OR CUPROUS) (1A) (OXIDE#  
OR O2) OR CU2O OR 1317-39-1  
L25 56 S 7440-50-8 AND L24 AND L15 AND L8  
L26 8 S 7440-50-8 (L) L24 AND L15 AND L8

INDEX 'HCAPLUS, INSPEC, COMPENDEX, SCISEARCH, PASCAL, ELCOM, ENERGY,  
AEROSPACE, DISSABS, METADEX, ANTE, NTIS, CEABA-VTB, CONFSCI, EMA, ENTEC,  
FEDRIP, RDISCLOSURE, SIGLE, SOLIDSTATE' ENTERED AT 13:38:00 ON 02 DEC 2004

L27 QUE COPPER COPPER OXIDE OR COPPER OXIDE COPPER OR COPPER CU2O  
L28 QUE L15 AND L8 AND L27  
L29 QUE (L15 OR L8) AND L27

FILE 'HCAPLUS, COMPENDEX, SCISEARCH, ENERGY, METADEX, INSPEC, PASCAL,  
NTIS, RDISCLOSURE, AEROSPACE, DISSABS, ANTE, CEABA-VTB, EMA, ENTEC'  
ENTERED AT 13:46:53 ON 02 DEC 2004

L30 100 S L29  
L31 5 S L30 AND L15  
L33 36 DUP REM L12 L18 L26 L31 (4 DUPLICATES REMOVED)  
L34 24 S L33 NOT P/DT NOT PY>1998  
L35 24 DUP REM L34 (0 DUPLICATES REMOVED)

INDEX '**WPIX, JAPIO, JICST-EPLUS, PATOSEP, PATOSWO**' ENTERED AT 13:53:23 ON  
02 DEC 2004

L36           QUE L12 OR L18 OR L26 OR L29  
L37           QUE L36 AND L15

FILE '**WPIX, JAPIO, JICST-EPLUS**' ENTERED AT 13:55:03 ON 02 DEC 2004  
L38           7 S L37

FILE '**INSPEC, HCAPLUS, ENERGY, AEROSPACE, COMPENDEX, WPIX, JAPIO,  
JICST-EPLUS**' ENTERED AT 13:55:35 ON 02 DEC 2004

L39           5 S L33 AND P/DT  
L40           **12 DUP REM L39 L38 (0 DUPLICATES REMOVED)**

138797

**SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800**  
 Rev. 3/15/2004 This is an experimental form.. Please give suggestions or comments to Jeff Harrison, JEP-4B68, 272-2511.

Date <u>11/01/04</u>	Serial # <u>09/485,277</u>	Priority Application Date _____
Your Name <u>M. Lewis</u>	Examiner # _____	
AU <u>2822</u>	Phone <u>279-1538</u>	Room <u>5A30</u>
In what format would you like your results? Paper is the default.		PAPER      DISK      EMAIL

If submitting more than one search, please prioritize in order of need.

*Need before  
12/2*

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case?

*11-29-04 A : 50 : 1*

Circle: USPTO DWPI EPO Abs JPO Abs IBM TDB

Other: \_\_\_\_\_

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. \_\_\_\_\_

What types of references would you like? Please checkmark:

Primary Refs _____	Nonpatent Literature _____	Other _____
Secondary Refs _____	Foreign Patents _____	_____
Teaching Refs _____	_____	_____

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

*Claims 19-24 & 29*

*Problem: See pages 2-6  
Solution: " 6-17*

*Scott,*

*Please do an updated*

*search.*

Staff Use Only	Type of Search	Vendors
Searcher: <u>Scott Herren</u>	Structure (#) _____	STN <input checked="" type="checkbox"/>
Searcher Phone: <u>2-2663</u>	Bibliographic _____	Dialog _____
Searcher Location: STIC-EIC2800, JEP-4B68	Litigation _____	Questel/Orbit _____
Date Searcher Picked Up: <u>12/1/04</u>	Fulltext _____	Lexis-Nexis _____
Date Completed: <u>12/1/04</u>	Patent Family _____	WWW/Internet _____
Searcher Prep/Rev Time: <u>240</u>	Other _____	Other _____
Online Time: <u>52</u>		